Preventative Maintenance (PM) Checklist
Surgical Table Base, Advanced Control, Retractable
Model: 5803

Work Instruction number 50603-02

Contact Information:

Date: _____Model/Serial#: _____ Account #: _____

Hospital Name: _____ City & State: _____

Contact Name: _____ Position: _____ Phone: _____

Equipment Location: _____

Service Representative: _____ Service Organization: _____

Service Rep. phone: _____ Home location: _____

Customer contact accepting service: _____ _____ _____

Name please print Signature Date

Service Representative: _____ _____ _____

Name please print Signature Date

Using this report: Please proceed through each step and place an "x" in the "( )" as each item representing Pass Fail ( ) ( ) criteria is inspected. If a step has failed, please indicate with an "x" and note the reasons in the comments section. If you resolve the failure place an "x" in the "Pass" area and indicate the corrective action again in the comments section. If you are unable to perform any Pass/Fail check, please contact Mizuhosi Technical Services for assistance and circle the check

Biohazards when servicing equipment: Please take appropriate precautions for servicing potentially biohazard contaminated equipment or working in biohazard surroundings. Please wear protective surgical gloves and log sleeved gowns at all times. If your gloves or protective clothing tears, replace immediately. Have the hospital staff clean the equipment appropriately prior to servicing. Clean your tools that may become contaminated with biohazards prior to placing back in your tool kit for removal from the location. If you suspect biohazards are present do not handle until they have been cleaned.

ESD Precautions: Electro-Static Discharge can damage sensitive electronic printed circuit boards. If you are servicing any part of the equipment inside that is near or in contact with PCB's or other sensitive devices, please properly ground yourself with a proper ESD strap.

(If serviced by an outside service organization, the record must be reviewed, signed, and dated by Technical Services Dept. Refer to last page of this document).

Surgical bases covered:

5803 Advance Control I-base, Retractable

Tools Required:

Digital Multi-meter with probe and hook leads.

Torque Wrench, calibrated at +/- three percent 95 foot/pounds (Sears Craftsman Digitork model 44597 or equivalent [equiv]).

OSI Rotation Test Bar

Digital Level

Force Gauge, to 50lbs

Hex keys, (Allen), ball head, minimum handle length 4 inch (in): 5/64 in, 5/32 in, 3/16 in, 5/16 in.

Materials Required:

5803 Advance Control Base Owners Manual – NW0498

Pass Fail

1. General Overall Condition.

1.1 ☐ ☐ Table base is clean, without signs of hazardous contamination, is consistent with proper care.

Comments: _____

1.2 ☐ ☐ All labels are intact and are legible.

Comments: _____

2. Power Input Inspection.

2.1 ☐ ☐ Inspect that Power Entry Module is not loose and all three prongs are intact.

Comments: _____

2.2 ☐ ☐ Inspect that Power Cord with AC plug is free of wear, corrosion, insulation cracks, and plug is properly attached to power cord.

Comments: _____

2.3 ☐ ☐ Inspect that "ON/OFF" Power Switch / Circuit Breaker is properly attached, splash guard is not torn or pierced, and is operational.

Comments: _____

2.4 ☐ ☐ Verify "ON/OFF" Power Switch / Circuit Breaker illuminates green when switched “ON” (with power cord plugged into AC power source / wall outlet).

Comments: _____

2.5 ☐ ☐ Verify "Battery Status" light (upper green LED) illuminates green with Power Switch "ON" (table powered by AC power source or internal batteries).

Comments: _____

2.6 ☐ ☐ Verify "Table Power" light (middle green lamp) illuminates with Power Switch "ON".

Comments: _____

2.7 ☐ ☐ Verify "Table Fault" light (lower red LED) is not illuminated.

Comments: _____

3. All Casters Operate Properly.

3.1 ☐ ☐ Casters rotate and roll freely and smoothly full 360 degrees.

Comments: _____

3.2 ☐ ☐ Casters do not shake or have abnormal uniformity.

Comments: _____

3.3 ☐ ☐ Rubber wheels are not worn or damaged.

Comments: _____

3.4 ☐ ☐ Braking casters lock and remain engaged until unlocked.

Comments: _____

3.5 ☐ ☐ Steer caster locks and remains engaged until unlocked.

Comments: _____

4. Retractable Base Center Beam Functions Properly.

4.1 ☐ ☐ The locking knob locks the center beam from retracting or extending.

Comments: _____

4.2 ☐ ☐ The table base fully retracts and extends smoothly when locking knob is loosened, without binding or abnormal noise and without overriding internal stops.

Comments: _____

5. Basic Control. (Confirm table is plug into an AC power source and toggle power switch to "ON", verify green indicator on the main power switch is lit. Verify fault light is not illuminated).

5.1 ☐ ☐ Hand control buttons are legible, coiled cord is free of visual damage and storage bracket is properly attached.

Comments: _____

5.2 ☐ ☐ **Head End Assy** slides uniformly in-line to its stops, in both directions (head to toe), with 20 to 25 pounds of force applied. Use force gauge.

Comments: _____

5.3 ☐ ☐ **"180deg Rotation Lock" (bluehandle)** at the Head End. When tightened clockwise (lock), indicator light comes ON. Rotational crossbar does not rotate.

Comments: _____

5.4 ☐ ☐ **Unlock 180deg Rotation lock (blue handle)**, indicator light turns off, head end rotational crossbar rotates 360deg freely.

Comments: _____

5.5 ☐ ☐ **Turn on 180deg Rotation lock (blue handle) until indicator comes ON. Place rotational test bar fixture into the holes of the crossbar and snap the torque wrench into the fixture. Apply 95ft/pounds of force in both the right and left direction. There should be no more than 3deg rotational movement of the crossbar.**

Comments: _____

5.6 ☐ ☐ **"Rotation Safety Lock" ON/OFF Switch/Indicator Light** operates properly**. Note:** This activates the rotational brake at the foot end of the table. **Toggle Rotational Safety Lock switch to "ON".** Verify indicator on the switch illuminates and foot end rotational crossbar does not rotate.

Comments: _____

5.7 ☐ ☐ **Toggle Rotational Safety Lock switch to "OFF".** Verify indicator on the switch turns off and foot end rotational crossbar rotates 360deg freely.

Comments: _____

5.8 ☐ ☐ **Toggle Rotational Safety Lock switch to "ON". Place rotational test bar fixture into the holes of the crossbar and snap the torque wrench into the fixture. Apply 95ft/pounds of force in both the right and left direction. There should be no more than 3deg rotational movement of the crossbar.**

Comments: _____

5.9 ☐ ☐ **Tilt Drive Status Indicator** operates properly. Turn on 180deg Rotation Lock and Rotation Safety Lock. Using the hand controller, tilt table to full left tilt. Turn off Rotation Safety Lock switch; unlock 180deg Rotation Lock just to the point that the lights goes off. Table should return to level, ±3deg and Tilt Drive Status Indicator comes "ON".

Comments: _____

6. Operational Inspection. Verify the 180deg Rotation Lock indicator is ON. Verify Rotational Safety Lock switch is ON. Note: The following procedures require either a Jackson Spinal or Imaging Table Top properly secured at both head and foot ends of the table base.

6.1 ☐ ☐ Press and hold "HEIGHT UP" / "HEIGHT DOWN" button (run to its upper and lower limit). Verify both columns move smoothly and continuously without binding or undo noise

Comments: _____

6.2 ☐ ☐ Press and hold "REVTREN"/ "TREN" button. Verify both columns move smoothly and without binding or undo noise.

Comments: _____

6.3 ☐ ☐ Press and hold "LEFT LATERAL"/ "RIGHT LATERAL ROLL" button (run to its 25deg left & right limit).

Comments: _____

6.4 ☐ ☐ Press and hold **Arc Interlock Switch** button (located behind foot end pivot assembly) while pressing left or right tilt functions, verify the Tilt Function is disabled and table does not move.

Comments: _____

6.5 ☐ ☐ Turn ON rotational safety lock switch. Press and hold **Arc Interlock Switch** button (located behind foot end pivot assembly). Toggle rotational safety lock switch to OFF. Verify the foot brake remains locked.

Comments: _____

7. Battery System Inspection

7.1 ☐ ☐ Unplug Power Cord from wall outlet, turn on table, go through all features to ensure DC power is functioning properly (Full Range Not Required), Green Power On LED is next to the power switch, and is on when AC is disconnected with On/Off switch on.

Comments: _____

This section is for Technical Services use only.

Reviewed**:** _____ Signature: _____ Date: _____